CONTENTS

(Abstracts/Contents Lists published in Analytical Abstracts, Biological Abstracts, Chemical Abstracts, Current Contents/Physical, Chemical and Earth Sciences, Mass Spectrometry Bulletin, and Science Citation Index)

Review

Characterization of humic and soil particles by analytical pyrolysis and computer modeling
H.-R. Schulten (Taunusstein, Germany), P. Leinweber (Vechta, Germany) 1

Pyrolysis of 1-furoyl-3-phenylthioureas in mass spectrometry
A. Macías, A. Rosado, E. Otazo (Ciudad de La Habana, Cuba). 55

Fourier transform infrared spectroscopic study of thermal degradation of sugar cane bagasse
K. Bilba, A. Ouensanga (Pointe à Pitre, Guadeloupe) 61

Pyrolysis of polyolefins with steam to yield olefins
C.M. Simon, W. Kaminsky, B. Schlesselmann (Hamburg, Germany) 75

Role of the fourth-period metal oxides on the pyrolysis of sodium chlorite
S.A. Halawy (Hofuf, Saudi Arabia). 89

A new apparatus for laser micropyrolysis–gas chromatography/mass spectrometry
P.F. Greenwood, S.C. George (North Ryde, NSW, Australia), M.A. Wilson (Broadway, NSW, Australia), K.J. Hall (Manchester, UK) 101

Carbonization of wet and preheated coal. Effect on coke quality and its relation with textural properties
R. Álvarez, J.J. Pis, M.A. Díez, C. Barriocanal, J.A. Menéndez, M.D. Casal, J.B. Parra (Oviedo, Spain) 119

Kinetic study of the secondary thermal decomposition of Kraft lignin
J.A. Caballero, R. Font, A. Marcilla (Alicante, Spain). 131

IR laser-induced chemical vapour deposition of silicon oxycarbide phases from 1,1,3,3-tetramethyldisiloxane
J. Pola, D. Pokorná, Z. Bastl (Prague, Czech Republic), J. Šubrt (Řež near Prague, Czech Republic) 153

Author Index 161

Subject Index 163

0165-2370(199612)38:1-2;1-S

CONTENTS

(Abstracts/Contents Lists published in Analytical Abstracts, Biological Abstracts, Chemical Abstracts, Current Contents/Physical, Chemical and Earth Sciences, Mass Spectrometry Bulletin, and Science Citation Index)

Review

Characterization of humic and soil particles by analytical pyrolysis and computer modeling
H.-R. Schulten (Taunusstein, Germany), P. Leinweber (Vechta, Germany) 1

Pyrolysis of 1-furoyl-3-phenylthioureas in mass spectrometry
A. Macías, A. Rosado, E. Otazo (Ciudad de La Habana, Cuba). 55

Fourier transform infrared spectroscopic study of thermal degradation of sugar cane bagasse
K. Bilba, A. Ouensanga (Pointe à Pitre, Guadeloupe) 61

Pyrolysis of polyolefins with steam to yield olefins
C.M. Simon, W. Kaminsky, B. Schlesselmann (Hamburg, Germany) 75

Role of the fourth-period metal oxides on the pyrolysis of sodium chlorite
S.A. Halawy (Hofuf, Saudi Arabia). 89

A new apparatus for laser micropyrolysis–gas chromatography/mass spectrometry
P.F. Greenwood, S.C. George (North Ryde, NSW, Australia), M.A. Wilson (Broadway, NSW, Australia), K.J. Hall (Manchester, UK) 101

Carbonization of wet and preheated coal. Effect on coke quality and its relation with textural properties
R. Álvarez, J.J. Pis, M.A. Díez, C. Barriocanal, J.A. Menéndez, M.D. Casal, J.B. Parra (Oviedo, Spain) 119

Kinetic study of the secondary thermal decomposition of Kraft lignin
J.A. Caballero, R. Font, A. Marcilla (Alicante, Spain). 131

IR laser-induced chemical vapour deposition of silicon oxycarbide phases from 1,1,3,3-tetramethyldisiloxane
J. Pola, D. Pokorná, Z. Bastl (Prague, Czech Republic), J. Šubrt (Řež near Prague, Czech Republic) 153

Author Index 161

Subject Index 163

0165-2370(199612)38:1-2;1-S